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Patent Claims

1. A flue gas washer comprising a supporting construction for spray pipes for cleaning of at least one horizontally disposed droplet separator system which is formed by droplet separator packets supported on carriers, characterized in that the supporting construction (7) for the spray pipes (8) is disposed at or between the droplet separator packets (15).
2. The flue gas washer according to claim 1, characterized in that the droplet separator packets (15) have reinforced end portions for the arrangement of the supporting construction (7).
3. The flue gas washer according to claim 2, characterized in that the reinforced end portions (6) are formed in a box-like manner.
4. The flue gas washer according to claim 2 or 3, characterized in that the reinforced end portions

(6) are penetrated by at least one rod-like supporting member (9).

- 5 5. The flue gas washer according to claim 4,
 characterized in that a plurality of rod-like
 supporting members (9) are connected with one
 another by a spray pipe carrying element (10).
- 10 6. The flue gas washer according to claim 4 or 5,
 characterized in that the rod-like supporting
 members (9) consist of several parts and have a
 connection point outside of the reinforced end
 portions (6).
- 15 7. The flue gas washer according to one of the claims
 4 to 6, characterized in that one rod-like
 supporting member (9) or a plurality thereof extend
 upwardly and downwardly from the reinforced end
 portion (6).
- 20 8. The flue gas washer according to one of the claims
 4 to 7, characterized in that a rod-like supporting
 member (9) is insertable into a reinforced end
 portion (6).
- 25 9. The flue gas washer according to claim 1,
 characterized in that the supporting construction
 is formed by supporting members (16) which are
 disposed between adjacent droplet separator packets
30 (15), respectively.

10. The flue gas washer according to claim 9,
characterized in that the supporting members (16)
are connected to the separator packets (15) through
flange connections (18).

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11. The flue gas washer according to claim 9 or 10,
characterized in that the supporting members (16)
carry the spray pipes (8) directly.

10 12. A supporting construction (7) for use in a flue gas
washer (1) according to one of the patent claims 1
to 11.

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